

ATTY. DKT NO. 15

PATENT

**IN THE CLAIMS**

The following amendments to the claims are made pursuant to the requirements of 37 C.F.R. § 1.121(c). A claim listing is provided beginning on the next page of this response.

Please cancel claims 1-16 without prejudice or disclaimer, as these claims are the subject of a restriction requirement.

Please AMEND the first occurrence of claim "22" and CANCEL the second occurrence of claim "22" as set forth below.

Please add new claims 32-39 as set forth below.

**ATTY. DKT NO. 15**

**PATENT**

1            1 - 16. (canceled)

## ATTY. DKT NO. 15

## PATENT

1           17.   (previously presented) A method of content delivery operative in a content  
2 delivery network on behalf of participating content providers, the content delivery network  
3 comprising a set of content servers, and wherein participating content providers identify  
4 given content to be delivered over the content delivery network, comprising:  
5           having a participating content provider associate a content provider domain or  
6 subdomain with a domain managed by a content delivery network service provider;  
7           for a given piece of content, specifying, as metadata, a given content control  
8 requirement;  
9           communicating the metadata for the given piece of content to the set of content  
10 servers;  
11          resolving a client query to the content provider domain or subdomain to an IP  
12 address of a given content server in the set of content servers using the domain managed  
13 by the content delivery network service provider; and  
14          at the given content server, applying the given content control requirement  
15 specified in the metadata prior to serving the given piece of content.

**ATTY. DKT NO. 15**

**PATENT**

1           18.     (previously presented) The method as described in Claim 17 wherein the  
2 content provider domain or subdomain is associated with the domain managed by the  
3 content delivery network service provider through a DNS canonical name.  
4

**ATTY. DKT NO. 15**

**PATENT**

1           19.   (previously presented) The method as described in Claim 17 wherein the  
2   metadata is communicated to the set of content servers in a header.  
3

**ATTY. DKT NO. 15**

**PATENT**

1           20.   (previously presented) The method as described in Claim 17 wherein the  
2   metadata is communicated to the set of content servers in a configuration file.  
3

**ATTY. DKT NO. 15**

**PATENT**

- 1           21.     (previously presented) The method as described in Claim 20 wherein the
- 2     configuration file is provisioned via an extranet application.

ATTY. DKT NO. 15

PATENT

1           22.   (first occurrence, currently amended) The method as described in Claim 17  
2 wherein the given content control requirement enforces a given authentication method or a  
3 given access control method.  
4

5           22.   (second occurrence, canceled)  
6



**ATTY. DKT NO. 15**

**PATENT**

1           23.   (previously presented) The method as described in Claim 17 wherein the  
2   metadata is a request metadata component.  
3

**ATTY. DKT NO. 15**

**PATENT**

1           24.   (previously presented) The method as described in Claim 17 wherein the  
2   metadata is a response metadata component.  
3

ATTY. DKT NO. 15

PATENT

1           25.   (previously presented) A method of content delivery operative in a content  
2 delivery network on behalf of participating content providers, the content delivery network  
3 comprising a set of content servers, and wherein participating content providers identify  
4 given content to be delivered over the content delivery network, comprising:

5           having a participating content provider alias a content provider domain to a domain  
6 managed by a content delivery network service provider, wherein the content provider  
7 domain is part of a URL identifying a given piece of content published by the participating  
8 content provider;

9           for the given piece of content, specifying, as metadata, a given content control  
10 requirement;

11           resolving a client query to the content provider domain to an IP address of a given  
12 content server in the set of content servers using the domain managed by the content  
13 delivery network service provider; and

14           at the given content server, applying the given content control requirement  
15 specified in the metadata prior to serving the given piece of content.  
16

**ATTY. DKT NO. 15**

**PATENT**

- 1           26.   (previously presented) The method as described in Claim 25 further  
2 including the step of communicating the metadata to the set of content servers.  
3

**ATTY. DKT NO. 15**

**PATENT**

1           27.   (previously presented) The method as described in Claim 26 wherein the  
2   metadata is communicated to the set of content servers via a configuration file.  
3

**ATTY. DKT NO. 15**

**PATENT**

1           28.   (previously presented) The method as described in Claim 25 wherein the  
2   given content control requirement invokes a security mechanism.  
3

ATTY. DKT NO. 15

PATENT

1           29.   (currently amended) The method as described in Claim 25 wherein the  
2   given piece of content is one of: a markup language page, an embedded object of a markup  
3   language page, a media file, and a software download.  
4

ATTY. DKT NO. 15

PATENT

1           30.     (currently amended) The method as described in Claim ~~25~~ 17 wherein the  
2     given piece of content is ~~an embedded object of a markup language page~~ one of: a markup  
3     language page, an embedded object of a markup language page, a media file, and a  
4     software download.  
5



**ATTY. DKT NO. 15**

**PATENT**

1           31.     (previously presented) The method as described in Claim 25 wherein the  
2     alias is a DNS canonical name (CNAME).

**ATTY. DKT NO. 15**

**PATENT**

1      Please add the following new claims:

**ATTY. DKT NO. 15**

**PATENT**

- 1           32.     (new) The method as described in Claim 17 wherein the metadata is
- 2     communicated to the set of content servers in one of: a request string, a header, and a
- 3     configuration file.

ATTY. DKT NO. 15

PATENT

1           33.    (new) A method of content delivery operative in a content delivery  
2 network on behalf of participating content providers, the content delivery network  
3 comprising a set of content servers and a domain name service (DNS), and wherein a  
4 participating content provider identifies given content to be delivered over the content  
5 delivery network by aliasing a content provider domain or subdomain to a domain  
6 managed by a content delivery network service provider, comprising:  
7           for a given piece of content, specifying, as metadata, a given content control  
8 requirement to be applied to the given piece of content when the given piece of content is  
9 served from the content delivery network;  
10          communicating the metadata for the given piece of content to the set of content  
11 servers in the content delivery network;  
12          resolving a client query to the content provider domain or subdomain to an IP  
13 address of a given content server in the set of content servers by having the domain name  
14 service resolve the domain managed by the content delivery network service provider;  
15          at the given content server, applying the given content control requirement  
16 specified in the metadata; and  
17          serving the given piece of content from the given content server after the given  
18 content control requirement has been applied.

ATTY. DKT NO. 15

PATENT

1           34.   (new) The method as described in Claim 33 wherein the metadata is  
2   communicated to the set of content servers in the content delivery network by one of: a  
3   request string, a header, and a configuration file.

4

5

ATTY. DKT NO. 15

PATENT

1           35.   (new) The method as described in Claim 34 wherein the configuration file  
2   is provisioned via an extranet application.  
3  
4

ATTY. DKT NO. 15

PATENT

1           36.    (new) The method as described in Claim 33 wherein the given content  
2   control requirement enforces a given authentication method.  
3

**ATTY. DKT NO. 15**

**PATENT**

1           37.   (new) The method as described in Claim 33 wherein the given content  
2   control requirement enforces a given access control method.  
3



ATTY. DKT NO. 15

PATENT

- 1 38. (new) The method as described in Claim 33 wherein the given content
- 2 control requirement invokes a security mechanism.
- 3

**ATTY. DKT NO. 15**

**PATENT**

1           39.    (new) The method as described in Claim 33 wherein the given piece of  
2   content is one of: a markup language page, an embedded object of a markup language  
3   page, a streaming media file, and a software download.